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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/703,941

Applicant(s)

GRAHAM, DOUGLAS A.

Examiner

ISAAC M. WOO

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 April 2009.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13, 15-31, 33, 35-52, 54-58 and 60-69 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-13, 15-31, 33, 35-40, 47-52, 54-56 and 65-69 is/are rejected.
7) ☒ Claim(s) 41-46, 57-58 and 60-64 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

1. This action is in response to Applicant's Responses, filed on April 08, 2009 have been considered but they are not persuasive.

1. Claims 1-13, 15-31, 33, 35-52, 54-58 and 60-69 are pending.

Response to arguments

2. In response to Applicant's Remarks filed on March 03, 2009, the following factual arguments are noted:

Uemura (U.S. Patent No. 6,609,085) does not teach or disclose, "searching a remote database, determining time series data".

However, examiner does not agree.

The reference of Uemura teaches, "to storage of data into a recording medium, expansion of data to a memory, data transfer through a network, a method for storing time series data in reading out and displaying data, time series data base system, a method for processing time series data, a system of processing time series data, a system of displaying time series data, a medium recording the time series data or a program for processing the time series data", (col. 10, lines 11-21) "the time series data are transferred through a network", (col. 2, lines 1-4), "searching data in an

object time is to hierarchically search data while initially grasps an outline of trend by displaying coarse trend data in a long time scale and gradually or once selecting and switching a displaying time and an accuracy of displaying in reference of portions to be noticed for displaying trend data in a desirable time period and time scale. In use of such a method for searching, natural control feeling is obtainable for a user and, for example, workability for analyzing can be improved. In case that this operation of searching data is conducted, because time series data at various sampling periods corresponding to different time scales can be efficiently read out and displayed, it is possible to display trend at a high speed while searching desirable time series data. Trend is displayed by searching target time series data based on a predetermined threshold value, a period, gradient, and so on, a user can view a monitor, in which trend data are displayed with good controllability in accordance with the trend display system of this applicable example", (col. 16, lines 1-21), "In Step S212, requested time series data corresponding to the request of reading out are searched out of a plurality of time series data concerning the plant B210 stored in the recording medium B212", (col. 28, lines 24-37), "time series data according to this embodiment, it is possible to search and read out desirable data out of a great amount of time series data of a plurality of plant", (col. 31, lines 12-24). This teaches that the time series data is stored in network databases (remote database) and the time series data is searched from remoter location and stored and displayed. Thus, Uemura (U.S. Patent No. 6,609,085) does teach or disclose, "searching a remote database, determining time series data".

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-13, 15-31, 33, 35-40, 47-52, 54-56 and 65-69 are rejected under 35 U.S.C. 102(e) as being anticipated by Uemura (U.S. Patent No. 6,609,085).

With respect to claim 1, Uemura discloses, searching for at least one remote database accessible via a network of computer systems, see (col. 1, lines 11-67 to col. 2, lines 1-54); determining whether each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); and storing location information for each remote database found during the searching if the remote database is comprised of the desired type of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 2, Uemura discloses, desired type of data for use in a predetermined data analysis, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); retrieving data from the selected remote database via the network of computer systems; using the data retrieved from the selected remote database in the predetermined data analysis, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 3, Uemura discloses, storing an indication that the remote database is comprised of data that has been used in the predetermined data analysis, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 4, Uemura discloses, determining at a predetermined time interval whether the database has changed; and if the database has changed, updating the predetermined data analysis using the changed data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 5, Uemura discloses, determined on the basis of the frequency of the time series data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 6, Uemura discloses, predetermined data analysis that has been updated; providing an indication to a predetermined user that the predetermined

data analysis has been updated, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 7, Uemura discloses, providing the updated predetermined data analysis to a predetermined user, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claims 8-10, Uemura discloses, predetermined data analysis is a forecast, economic, demographic or meteorological forecast specified by a user, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 11, Uemura discloses, retrieving data from the selected local database via the network of computer systems; and using the data retrieved from the selected local database in the predetermined data analysis, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 12, Uemura discloses, if the number times the remote database is used in the predetermined data analysis exceeds a predefined value, storing locally the data used in the predetermined analysis, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 13, Uemura discloses, receiving a specification of the desired type of data before the searching and the storing, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 15, Uemura discloses, receiving a specification of the desired type of data before the searching and the storing, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 16, Uemura discloses, determining information about at least one characteristic of the remote database; and storing the information about the at least one characteristic of the remote database in association with the location information for the remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 17, Uemura discloses, remote database is selected from the group consisting of data frequency, data units, data scale, data source, data update date, and number of data points, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 18, Uemura discloses, remote database is selected from the group consisting of data frequency, data units, data scale, data source, data update

date, and number of data points, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 19, Uemura discloses, determined from at least one XML data definition tag that is associated with the remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 20, Uemura discloses, searching the stored remote database characteristic information; and identifying one or more remote databases having the desired remote database characteristic, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 21, Uemura discloses, remote databases having the desired remote database characteristic, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 22, Uemura discloses, reading network address information for at least one computer system within the network of computer systems; accessing the at least one computer system based on the network address information; retrieving information from the at least one computer system sufficient to determine whether the at least one computer system provides access to at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 23, Uemura discloses, access the at least one computer system and to process the information retrieved from the at least one computer system, see (col. 5, lines 29-67 to col. 6, lines 1-65, fig. 2, fig. 3, col. 10, lines 16-58).

With respect to claim 24, Uemura discloses, protocol is TCP/IP communications protocol, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 25, Uemura discloses, predefined database formatting information to access the at least one computer system and to process the information retrieved from the at least one computer system, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 26, Uemura discloses, predefined database formatting information is comprised of a plurality of predefined database format definitions, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 27, Uemura discloses, reading uniform resource locator (URL) information corresponding to at least one computer system accessible via the Internet; accessing the at least one computer system via the Internet; determining whether the at least one computer system provides access to at least one remote database, and storing location information for the at least one computer system if the at

least one computer system provides access to the at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 28, Uemura discloses, retrieving HTML formatted information from each computer system found that provides access to at least one remote database, and parsing the retrieved HTML formatted information to determine whether the at least one remote database is comprised of data of the desired type, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 29, Uemura discloses, HTML formatted information is comprised of a meta tag, see (fig. 1, col. 1, lines 10-67 to col. 2, lines 1-4, col. 3, lines 40-67 to col. 4, lines 1-20, col. 4, lines 33-67 to col. 5, lines 1-33, col. 5, lines 4-62).

With respect to claim 30, Uemura discloses, retrieving XML formatted information from each computer system that provides access to at least one remote database, and parsing the retrieved XML formatted information to determine whether the at least one remote database is comprised of data of the desired type, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36 2).

With respect to claim 31, Uemura discloses, storing an indication of whether the remote database is comprised of time series data in association with the location

information for the remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 33, Uemura discloses, storing characteristic information for each time series of data in association with the location information for the remote database in which the time series of data is contained, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 35, Uemura discloses, number of data points in the at least one time series of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 36, Uemura discloses, starting time of the time series of data; ending time of the time series of data; and time interval between each of the data points contained in the time series of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36 2).

With respect to claim 37, Uemura discloses, data series format information is comprised of information about the format of the time series of data contained in the at least one database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 38, Uemura discloses, time series of data is redundant of a data series for which information has already been stored, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 39, Uemura discloses, information has already been stored, not storing information about the time series of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36 2).

With respect to claim 40, Uemura discloses, if the time series of data is not redundant of the data series for which information has already been stored, storing information about the time series of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 47, Uemura discloses, determining a volatility measurement for at least some of the data of the desired type contained in the at least one remote database; and storing the volatility measurement in association with the stored location information for the at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 48, Uemura discloses, determining a seasonality measurement for at least some of the data of the desired data type contained in the at least one remote database, and storing the seasonality measurement in association

with the stored location information for the at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 49, Uemura discloses, searching for at least one remote database accessible via a network of computer systems, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); storing location information for each remote database found during the searching, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); storing an indication of whether each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 50, Uemura discloses, database key, wherein the database key uniquely identifies the at least one remote database; and, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); location information for the at least one remote database (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); the location information being stored if the at least one remote database is comprised of the desired type of data, wherein the desired type of data is time series data (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36 2), and the location information being stored in association with the database key (URL), see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 51, Uemura discloses, the at least one remote database, the data type information being stored in association with the database key, see (fig. 1, col. 1, lines 10-67 to col. 2, lines 1-4, col. 3, lines 40-67 to col. 4, lines 1-20, col. 4, lines 33-67 to col. 5, lines 1-33, col. 5, lines 4-62).

With respect to claim 52, Uemura discloses, at least one remote database is comprised of the desired type of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 54, Uemura discloses, database descriptive information being stored in association with the database key, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 55, Uemura discloses, remote database is comprised of data that has been used in the predetermined data analysis, the database usage information being stored in association with the database key, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 56, Uemura discloses, remote database was last updated, the database update information being stored in association with the database key, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 65, Uemura discloses, information about whether payment is required to access the data contained in the at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 66, Uemura discloses, database access authorization information is comprised of information necessary to access the data contained in the at least one remote database, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 67, Uemura discloses, information is comprised of user identification information and a password, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 68, Uemura discloses, search for at least one remote database accessible via a network of computer systems, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); determine whether each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); and store location information for each remote database found during the searching if

the remote database is comprised of the desired type of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

With respect to claim 69, Uemura discloses, at least one remote database being accessible by the computer via a network of computer systems, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); location information for each remote database found during the searching is comprised of the desired type of data, wherein the desired type of data is time series data (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36); and store location information for each remote database found during the searching if the remote database is comprised of the desired type of data, see (col. 16, lines 1-21, col. 29, lines 24-38, col. 31, lines 12-36).

Allowable Subject Matter

4. Claims 41-46 and 57-58 and 60-64 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ISAAC M. WOO whose telephone number is (571)272-4043. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Isaac M. Woo/
Primary Examiner, Art Unit 2166

